MICROTOME CRYOSTAT

MANUFACTURER: THERMO FISHER SCIENTIFIC
Manufacturer Model# CRYOSTOME FSE
Manufacturer's PHONE: (508) 482-7000 FAX: (508) 634-2110
Manufacturer's Website: <http://www.thermo.com>

Item Web Link:
<http://www.thermo.com/com/cda/product/detail/0,1055,10121433,00.html>

AAC 'Y' ITEM NSN 6640-01-348-2460

UA's: 214B, N436

USAMMA POC: Customer Relations Management 301-619-4301/4316 - DSN 343-4301/4316
UNIT PRICE: $11,123.88

System Description: For use in preparing large or small, thin, unwrinkled sections of single or multiple pieces of fresh frozen tissue in military surgical pathology laboratories. The Cryostome FSE Cryostat has the microtome located outside the cryo-chamber for quick temperature adjustment and safer, easier cryo-chamber decontamination and cleaning. A simple, intuitive multi-lingual touch screen display provides easy instrument setup, operation and control of the cryo-chamber and microtome. Peace of mind operation is ensured with a dual compressor system, a remote alarm to signal system failure, and multi-level security code protection to prevent unauthorized access to protocols. The 6 position Cryobar has a dedicated refrigeration system, cover, rapid cooling boost to -55 Celcius, and 3 heat sinks. The Specimen head has X- and Y- orientation with user defined temperature control. The 3 level foot rest is adjustable for better ergonomics and comfort. A lockable heated window eliminates frost buildup. The hand wheel may be locked to prevent injury when working around the blade. CFE-Free refrigeration and foam insulation. An Automated Fumigation Cycle to disinfect the cryochamber and programmable auto-defrost cycle are standard. "Quick heat" specimen release system is also included.

Features:

- Rotary
- Refrigerated
- Mounted on casters, two of which lock
- Has a compressor capable of maintaining selected knife temperature of 0 to -20°C 24 hours a day for an indefinite period of time
- Automatic defrosting
- Quick freeze timer
- Interior cabinet temperature readout w/low of -28°C
- Automatic feed w/min range of 2-4 microns

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PART # CRYOSTOME FSE
NSN 6640013482460

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PHYSICAL & ENVIRONMENTAL SPECIFICATIONS

Item Dimensions	**Height (Inches)**	**49.2**
	Width (Inches)	**27.8**
	Length (Inches)	**29.3**
	Cube (Cubic Feet)	**23.1918**
	Weight	**275.6 lbs.**
Ship Dimensions	**Height (Inches)**	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		**-13°F to 131°F (-25°C to 55°C)**
Operating Temp		**41°F to 104°F (5°C to 40°C)**
Storage Humidity		**80% max < 88°F (31°C) 50% max 88°F to 104°F (31°C to 40°C)**
Operating Humidity		**80% max < 88°F (31°C) 50% max 88°F to 104°F (31°C to 40°C)**
Amps		
Watts		
Power Requirements	**115 VAC 60Hz, 6,147 BTU/Hr Max Current @ compressor start: 38A** **Nominal Voltage @ max current: 103VAC Max Voltage @ no load: 126VAC**	
Notes	**Chamber Access Width: 19.7 inches minimum** **Microtome Section Thickness: 1-20 µm in 1 µm steps, 23-60 µm in 5 µm steps** **Total Horizontal Specimen Advance: 25 mm** **Cutting Stroke: 57 mm** **Trim Wheel: 8 µm indents** **Motorized Coarse Advance: 1 mm/ sec** **Specimen Retraction: Standard** **Refrigeration-Cryochamber: 32°F to -31°F (0 to -35°C)** **Refrigeration-Cryobar: 32°F to -67°F (0 to -55°C) or colder** **Refrigeration-Specimen Head: 32°F to -40°F (0 to -40°C)** **Agency Approval: Meets IEC61010, CSA, UL and CE Mark (IVDD compliant)**	

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ACCESSORIES & CONSUMABLES - STARTUP

NSN	Notes	Nomenclature	MFR PN Thermo Fisher Scientific	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Months	Refrig Req
6640013482460		Microtome Cryostat	CRYOSTOM E FSE		1	EA	$11,123.88	$11,123.88	INDEF	N
		Anti-Roll Device	A78930200		1	EA	Incl w/NSN 2460	Incl w/NSN 2460	INDEF	N
		Lubricant	291		1	4 OZ	Incl w/NSN 2460	Incl w/NSN 2460	INDEF	N
6640004339700		Knife Microtome Plain Wedge 185mm	12-634C		1	EA	Incl w/NSN 2460	Incl w/NSN 2460	INDEF	N
7610015436723		Literature Maintenance			2	EA	Incl w/NSN 2460	Incl w/NSN 2460	INDEF	N
7610015437003		Literature Operator			2	EA	Incl w/NSN 2460	Incl w/NSN 2460	INDEF	N

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WEB LINKS

Click Below for Disposable Blade Specifications

<http://www.thermo.com/eThermo/CMA/PDFs/Product/productPDF_4865.pdf>

Click Below for Product Brochure

<http://www.thermo.com/eThermo/CMA/PDFs/Product/productPDF_7345.pdf>